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ABSTRACT

Data are provided in this report on the changes in the sexual composition of full-time student enrollments in selected occupational areas in the Maricopa County Community College District (MCCCD). The report provides figures on male and female enrollments for fall 1972, fall 1977, and fall 1982 in eight areas: Administration of Justice, Automotive, Data Processing, Drafting, Electronics, Engineering Science, Management, and Marketing. Table 1, which presents the number and percentage of male and female full-time student equivalent (FTSE) enrollments for the three selected years, is followed by a series of charts illustrating the changes in the sexual composition of the program enrollments over the 10-year period. The final series of tables offers a sexual breakdown of enrollments at each of the seven colleges in the district for the same 3 years. The following findings are highlighted: (1) all programs showed increases in FTSE enrollments between 1972 and 1982; (2) in the Automotive program, only male FTSE increased substantially; (3) in Administration of Justice and Management, most of the growth in FTSE was attributable to female enrollments; (4) the proportion of female students in each of the eight program areas increased between fall 1972 and fall 1982; (5) while in 1972 males accounted for 78% and females 14% of the FTSE in all program areas combined, by 1982 males accounted for 61% and females for 35% of the FTSE. (HB)

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REPORT NO: 82-16

CHANGES IN FTSE IN SELECTED OCCUPATIONAL AREAS BY STUDENT SEX FALL 1972, FALL 1977, AND FALL 1982

Marilyn Bresler

OFFICE OF EDUCATIONAL DEVELOPMENT
ANALYTICAL STUDIES RESEARCH REPORT
MARICOPA COMMUNITY COLLEGES

November 1982

JC 830 012

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OFFICE OF EDUCATIONAL DEVELOPMENT
ANALYTICAL STUDIES
RESEARCH REPORT

Maricopa Community Colleges
3910 E. Washington Street
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REPORT NO: 82-16

TITLE: CHANGES IN FTSE IN SELECTED OCCUPATIONAL AREAS BY STUDENT SEX FALL 1972, FALL 1977, AND FALL 1982

DATE PREPARED: November, 1982

PREPARED BY: Marilyn Bresler

SOURCES: Computer report S90027 with selects for prefix area and student sex was used. FTSE data are high-point for Fall 1972 and 45th day for Fall 1977 and Fall 1982.

DATA DESCRIPTION AND SUMMARY:

FTSE in occupational* areas traditionally enrolling male students is increasingly accounted for by female students.

The amount and percent of FTSE accounted for by male and female students was determined for the following areas: Administration of Justice, Automotive, Data Processing, Drafting, Electronics, Engineering Science,* Management, and Marketing. Table 1 on page 2 shows the amount and percent of FTSE for each of the selected prefix areas for the District.

All of the prefix areas have shown increases in FTSE from 1972 to 1982. In Automotive, only male FTSE has increased substantially. In Admin. of Justice and Management, for examples, most of the growth in FTSE may be attributed to increases in female enrollment. Finally, in Data Processing, growth in FTSE may be attributed to increases in both male (396 FTSE) and female (603 FTSE) enrollment.

The chart on page 3 shows that in 1972 males accounted for 78% of the FTSE in all of these areas combined. Females accounted for 14% of the FTSE. For 8% of the FTSE, student sex was not known.

By 1982, males accounted for 61% of the FTSE in all these areas combined; females, 35%; and for 4% of the FTSE, sex was not known.

Additional charts show breakdowns for each prefix area, and additional tables show breakdowns for each college.

*Engineering Science was included as a traditionally high male enrollment area.

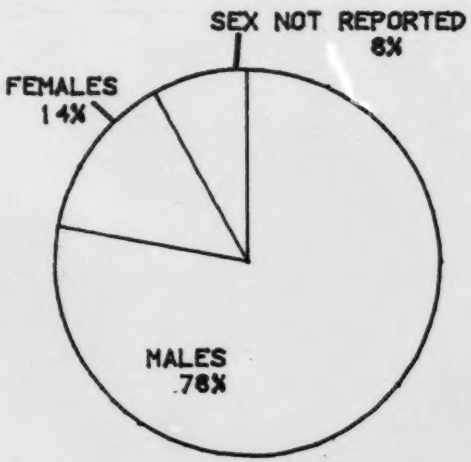
TABLE 1
MARICOPA COMMUNITY COLLEGES
CHANGES IN FTSE IN SELECTED OCCUPATIONAL AREAS BY STUDENT SEX
FALL 1972, FALL 1977, AND FALL 1982

	FALL 1972			FALL 1977			FALL 1982		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
ADMIN JUST									
FTSE	292	39	352	426	148	593	296	146	472
% OF TOTAL	83%	11%		72%	25%		63%	31%	
AUTOMOTIVE									
FTSE	210	14	237	528	15	543	431	33	478
% OF TOTAL	89%	6%		97%	3%		90%	7%	
DATA PROCESS									
FTSE	143	85	257	226	243	470	539	688	1,280
% OF TOTAL	56%	33%		48%	52%		42%	54%	
DRAFTING									
FTSE	294	14	327	292	44	336	318	99	434
% OF TOTAL	90%	4%		87%	13%		73%	23%	
ELECTRONICS									
FTSE	263	8	304	441	49	490	650	128	801
% OF TOTAL	87%	3%		90%	10%		81%	16%	
ENGINEER SCI									
FSTE	29	1	31	63	6	69	134	29	165
% OF TOTAL	94%	3%		91%	7%		81%	18%	
MANAGEMENT									
FTSE	334	92	478	395	212	610	361	359	756
% OF TOTAL	70%	19%		65%	35%		48%	47%	
MARKETING									
FTSE	99	38	147	146	117	265	135	156	297
% OF TOTAL	67%	26%		55%	44%		45%	53%	

SOURCE: S90027 with selects for prefix area and student sex was used.
NOTES: FTSE data are high-point for 1972 and 45th day for 1977 and 1982.
The male and female subtotals may not sum to the total when some students did not report their sex.

MARICOPA COMMUNITY COLLEGES

PERCENT OF FTSE ACCOUNTED FOR BY MALE AND FEMALE STUDENTS
AJ, AU, DP, DT, EL, ES, MG, AND MK COMBINED



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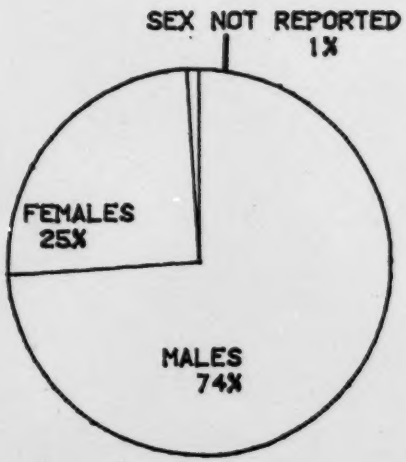

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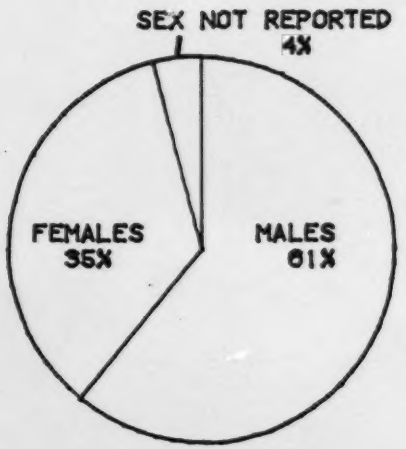
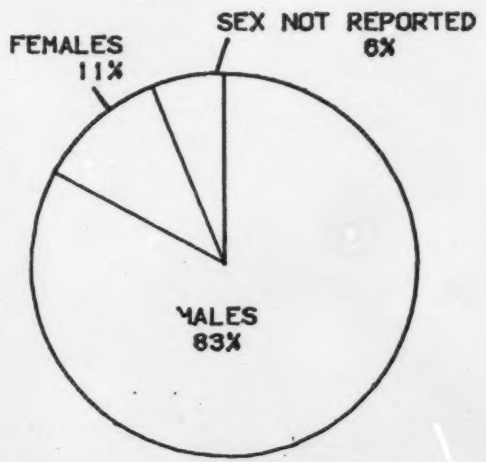


FALL 1982

NOV 18, 1982

MARICOPA COMMUNITY COLLEGES

PERCENT OF FTSE ACCOUNTED FOR BY MALE AND FEMALE STUDENTS
ADMINISTRATION OF JUSTICE



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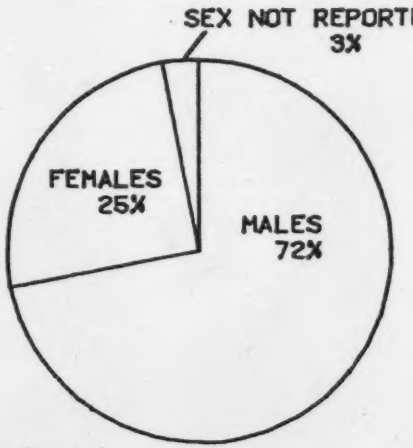

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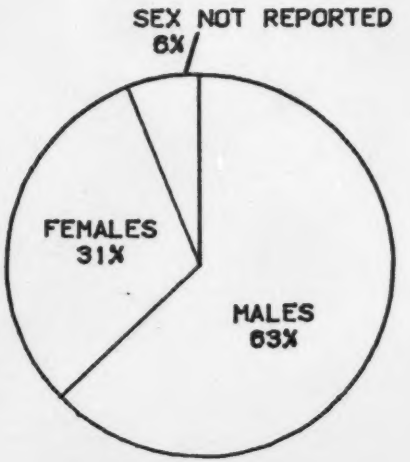
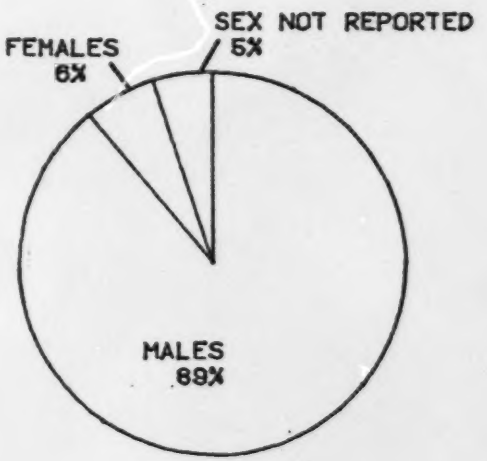


FALL 1982

NOV 00, 1982

MARICOPA COMMUNITY COLLEGES

PERCENT OF FTSE ACCOUNTED FOR BY MALE AND FEMALE STUDENTS
AUTOMOTIVE



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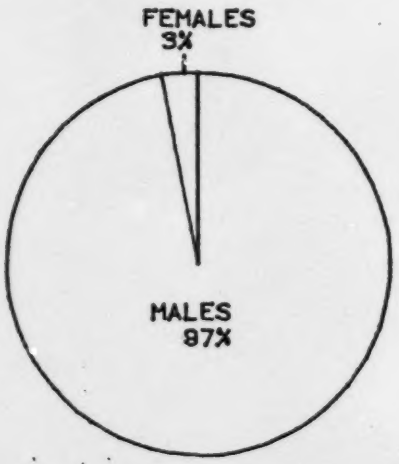

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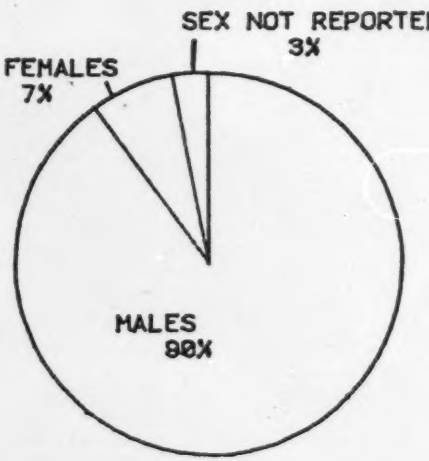
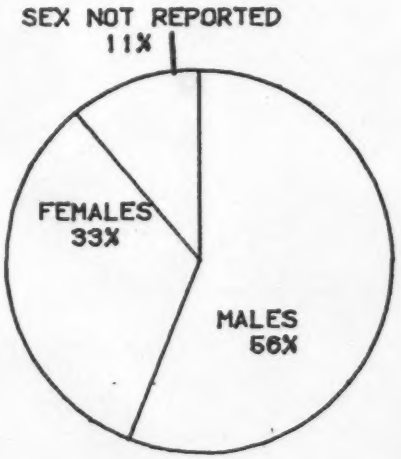


FALL 1982

NOV 09, 1982

MARICOPA COMMUNITY COLLEGES

PERCENT OF FTSE ACCOUNTED FOR BY MALE AND FEMALE STUDENTS
DATA PROCESSING



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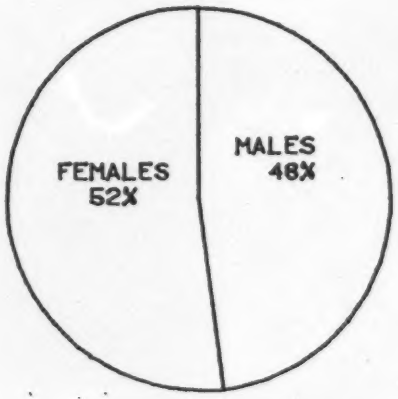

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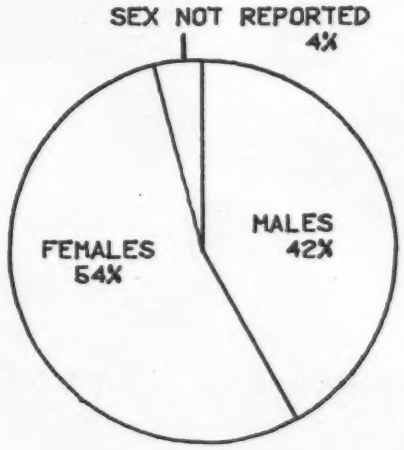
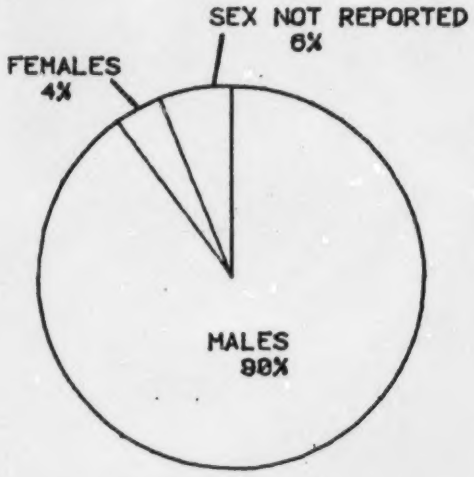


FALL 1982

NOV 09, 1982

MARICOPA COMMUNITY COLLEGES

PERCENT OF FTSE ACCOUNTED FOR BY MALE AND FEMALE STUDENTS DRAFTING



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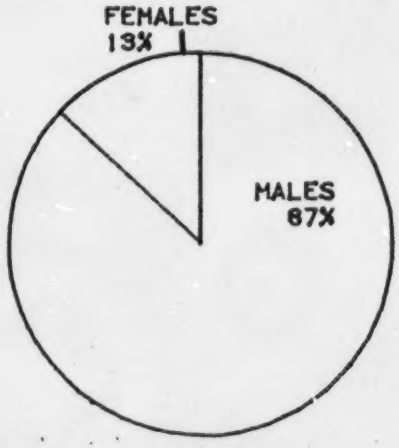

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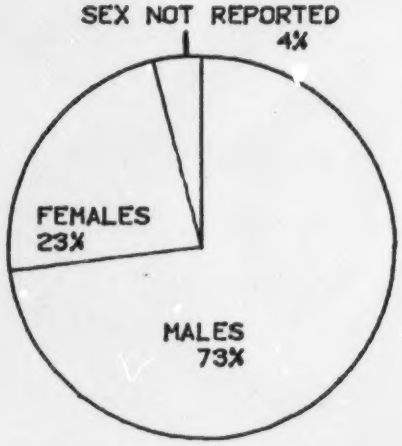
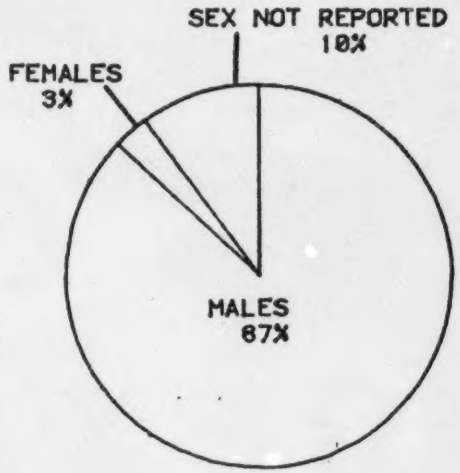


FALL 1982

NOV 09, 1982

MARICOPA COMMUNITY COLLEGES

PERCENT OF FTSE ACCOUNTED FOR BY MALE AND FEMALE STUDENTS
ELECTRONICS



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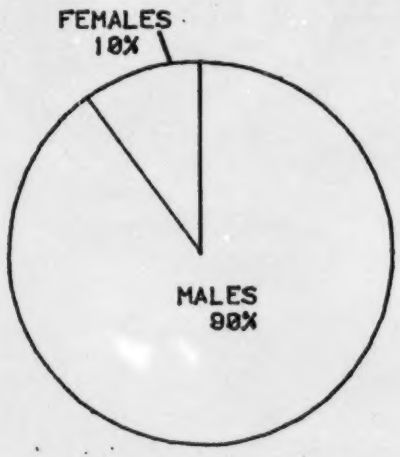

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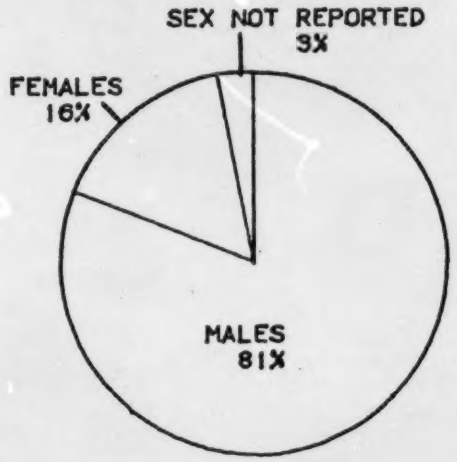
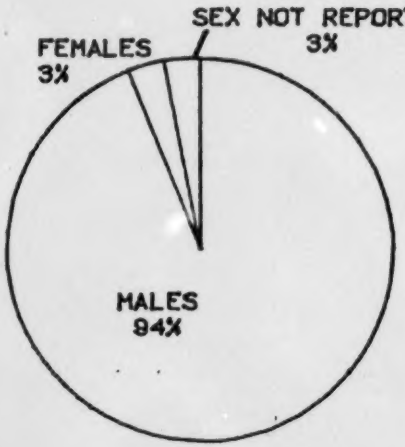


FALL 1982

NOV 09, 1982

MARICOPA COMMUNITY COLLEGES

PERCENT OF FTSE ACCOUNTED FOR BY MALE AND FEMALE STUDENTS
ENGINEERING SCIENCE



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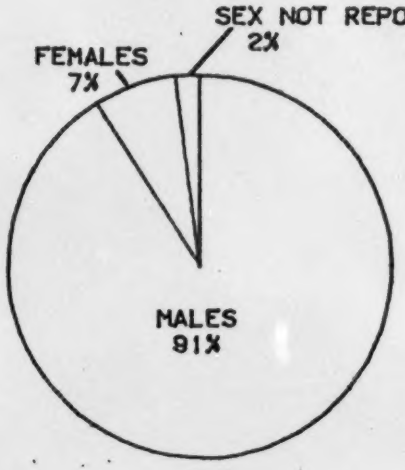

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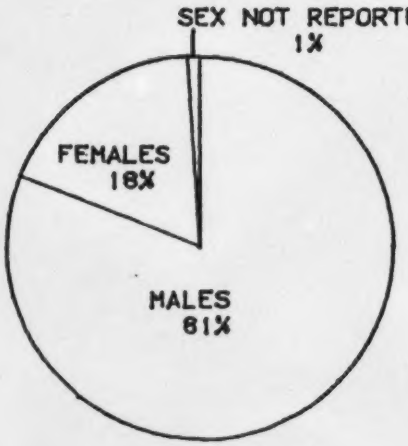
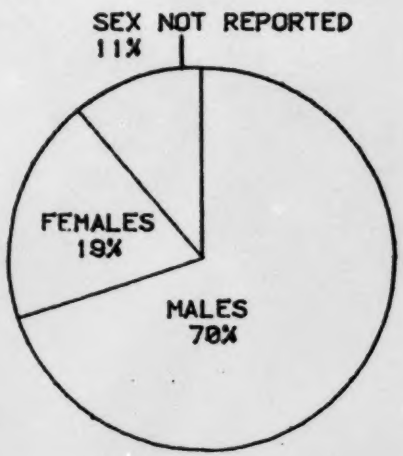


FALL 1982

NOV 09, 1982

MARICOPA COMMUNITY COLLEGES

PERCENT OF FTSE ACCOUNTED FOR BY MALE AND FEMALE STUDENTS
MANAGEMENT



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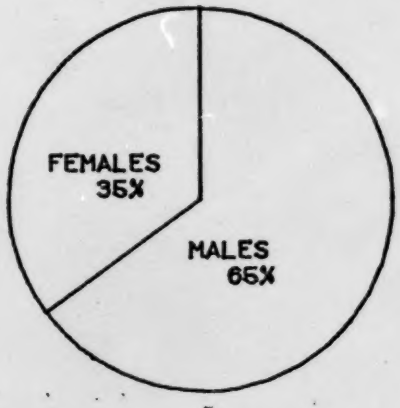

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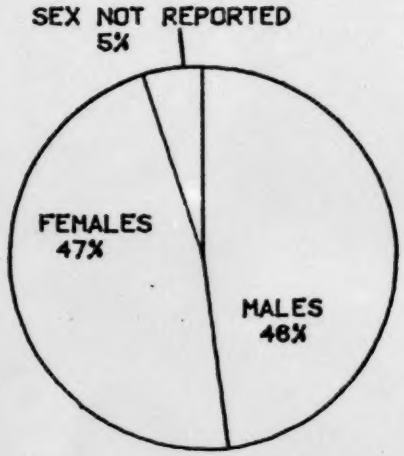

FALL 1982

NOV 09, 1982

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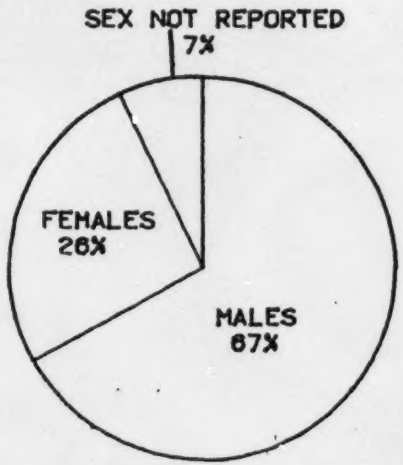
MARICOPA COMMUNITY COLLEGES

PERCENT OF FTSE ACCOUNTED FOR BY MALE AND FEMALE STUDENTS MARKETING



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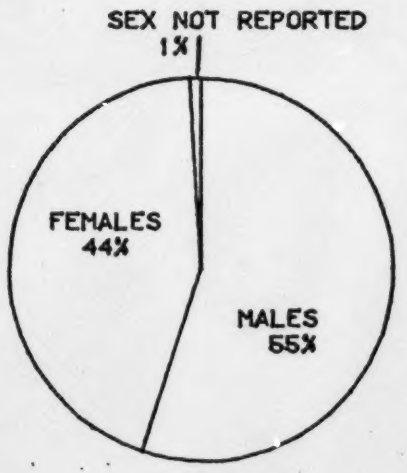

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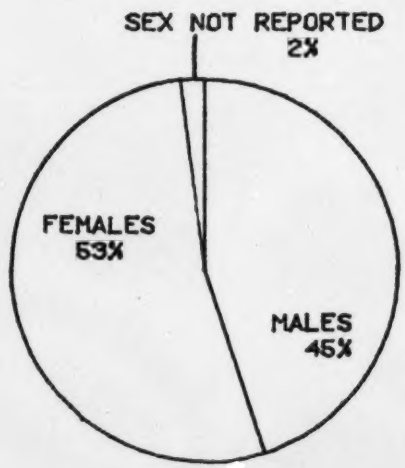

FALL 1982

NOV 09, 1982

TABLE 2

GLENDALE COMMUNITY COLLEGE

CHANGES IN FTSE IN SELECTED OCCUPATIONAL AREAS BY STUDENT SEX

FALL 1972, FALL 1977, AND FALL 1982

	FALL 1972			FALL 1977			FALL 1982		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
ADMIN JUST									
FTSE	94	9	103	164	44	221	112	39	157
% OF TOTAL	91%	9%		74%	20%		71%	25%	
AUTOMOTIVE									
FTSE	17	1	19	112	2	114	93	7	100
% OF TOTAL	89%	5%		98%	2%		93%	7%	
DATA PROCESS									
FTSE	23	8	32	43	42	85	96	118	217
% OF TOTAL	72%	25%		51%	49%		44%	54%	
DRAFTING									
FTSE	66	2	69	105	11	116	86	24	112
% OF TOTAL	96%	3%		91%	9%		77%	21%	
ELECTRONICS									
FTSE	92	4	97	154	12	166	257	35	293
% OF TOTAL	95%	4%		93%	7%		88%	12%	
ENGINEER SCI									
FTSE	5		5	27	3	30	48	9	57
% OF TOTAL	100%			90%	10%		84%	16%	
MANAGEMENT									
FTSE	89	9	107	132	48	180	111	83	194
% OF TOTAL	83%	8%		73%	27%		57%	43%	
MARKETING									
FTSE	12	1	14	36	13	49	28	23	52
% OF TOTAL	86%	7%		73%	27%		54%	44%	

SOURCE: S90027 with selects for prefix area and student sex was used.

NOTES: FTSE data are high-point for 1972 and 45th day for 1977 and 1982. The male and female subtotals may not sum to the total when some students did not report their sex.

TABLE 3

MARICOPA TECHNICAL COMMUNITY COLLEGE

CHANGES IN FTSE IN SELECTED OCCUPATIONAL AREAS BY STUDENT SEX

FALL 1972, FALL 1977, AND FALL 1982

	FALL 1972			FALL 1977			FALL 1982		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
ADMIN JUST									
FTSE	-	-	-	-	-	-	-	-	-
% OF TOTAL									
AUTOMOTIVE									
FTSE	181	13	206	261	8	269	196	8	215
% OF TOTAL	88%	6%		97%	3%		91%	4%	
DATA PROCESS									
FTSE	45	47	100	62	88	150	119	121	263
% OF TOTAL	45%	47%		41%	59%		45%	46%	
DRAFTING.									
FTSE	110	5	125	71	14	85	53	12	66
% OF TOTAL	88%	4%		84%	16%		80%	18%	
ELECTRONICS									
FTSE	38	2	47	33	5	38	67	8	83
% OF TOTAL	81%	4%		87%	13%		81%	10%	
ENINGEER SCI									
FTSE	-	-	-	-	-	-	-	-	-
% OF TOTAL									
MANAGEMENT									
FTSE	70	28	99	37	7	44	5	6	17
% OF TOTAL	71%	28%		84%	16%		29%	35%	
MARKETING									
FTSE	16	7	23	2	2	4	-	1	1
% OF TOTAL	70%	30%		50%	50%			100%	

SOURCE: S90027 with selects for prefix area and student sex was used.

NOTES: FTSE data are high-point for 1972 and 45th day for 1977 and 1982. The male and female subtotals may not sum to the total when some students did not report their sex.

TABLE 4
MESA COMMUNITY COLLEGE
CHANGES IN FTSE IN SELECTED OCCUPATIONAL AREAS BY STUDENT SEX
FALL 1972, FALL 1977, AND FALL 1982

	FALL 1972			FALL 1977			FALL 1982		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
ADMIN JUST									
FTSE	69	11	83	116	39	158	85	42	134
% OF TOTAL	83%	13%		73%	25%		63%	31%	
AUTOMOTIVE									
FTSE	12	1	13	139	4	143	61	3	66
% OF TOTAL	92%	7%		97%	3%		92%	5%	
DATA PROCESS									
FTSE	23	7	31	39	36	75	90	104	202
% OF TOTAL	74%	23%		52%	48%		45%	51%	
DRAFTING									
FTSE	56	3	59	57	9	66	94	25	126
% OF TOTAL	95%	5%		86%	14%		75%	20%	
ELECTRONICS									
FTSE	53	1	57	116	16	132	144	23	167
% OF TOTAL	93%	2%		88%	12%		86%	14%	
ENGINEER SCI									
FTSE	6	1	6	11	1	12	36	7	43
% OF TOTAL	100%			92%	8%		84%	16%	
MANAGEMENT									
FTSE	71	16	87	98	51	150	82	80	171
% OF TOTAL	82%	18%		65%	34%		48%	47%	
MARKETING									
FTSE	33	10	43	48	34	82	45	47	95
% OF TOTAL	77%	23%		59%	41%		47%	49%	

SOURCE: S90027 with selects for prefix area and student sex was used.
NOTES: FTSE data are high-point for 1972 and 45th day for 1977 and 1982. The male and female subtotals may not sum to the total when some students did not report their sex.

TABLE 5
PHOENIX COLLEGE
CHANGES IN FTSE IN SELECTED OCCUPATIONAL AREAS BY STUDENT SEX
FALL 1972, FALL 1977, AND FALL 1982

	FALL 1972			FALL 1977			FALL 1982		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
ADMIN JUST									
FTSE	108	15	138	107	50	159	53	40	101
% OF TOTAL	78%	11%		67%	31%		52%	40%	
AUTOMOTIVE									
FTSE	-	-	-	-	-	-	-	-	-
% OF TOTAL									
DATA PROCESS									
FTSE	46	20	85	49	49	100	99	130	239
% OF TOTAL	54%	24%		49%	49%		41%	54%	
DRAFTING									
FTSE	62	4	74	53	9	62	54	15	75
% OF TOTAL	84%	5%		85%	15%		72%	20%	
ELECTRONICS									
FTSE	80	1	104	136	13	149	147	21	174
% OF TOTAL	77%	1%		91%	9%		84%	12%	
ENGINEER SCI									
FTSE	19	1	19	24	3	27	49	10	60
% OF TOTAL	100%			89%	11%		82%	17%	
MANAGEMENT									
FTSE	70	15	113	92	80	173	61	69	13
% OF TOTAL	62%	13%		53%	46%		45%	50%	
MARKETING									
FTSE	30	15	52	53	62	116	42	67	111
% OF TOTAL	58%	29%		46%	53%		38%	60%	

SOURCE: S90027 with selects for prefix area and student sex was used.
NOTES: FTSE data are high-point for 1972 and 45th day for 1977 and 1982.
The male and female subtotals may not sum to the total when some students did not report their sex.

TABLE 6
RIO SALADO COMMUNITY COLLEGE
CHANGES IN FTSE IN SELECTED OCCUPATIONAL AREAS BY STUDENT SEX
FALL 1972, FALL 1977, AND FALL 1982

	FALL 1982		
	MALE	FEMALE	TOTAL
ADMIN JUST			
FTSE	8	4	21
% OF TOTAL	38%	19%	
AUTOMOTIVE			
FTSE	81	15	97
% OF TOTAL	84%	15%	
DATA PROCESS			
FTSE	63	116	184
% OF TOTAL	34%	63%	
DRAFTING			
FTSE	19	9	29
% OF TOTAL	66%	31%	
ELECTRONICS			
FTSE	22	35	61
% OF TOTAL	36%	57%	
ENGINEER SCI			
FTSE	3	2	5
% OF TOTAL	60%	40%	
MANAGEMENT			
FTSE	54	66	129
% OF TOTAL	42%	51%	
MARKETING			
FTSE	-	-	1
% OF TOTAL			

SOURCE: S90027 with selects for prefix area and student sex was used.
NOTES: FTSE data are high-point for 1972 and 45th day for 1977 and 1982. The male and female subtotals may not sum to the total when some students did not report their sex.

TABLE 7

SCOTTSDALE COMMUNITY COLLEGE

CHANGES IN FTSE IN SELECTED OCCUPATIONAL PREFIX AREAS BY STUDENT SEX
FALL 1972, FALL 1977, AND FALL 1982

	FALL 1972			FALL 1977			FALL 1982		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
ADMIN JUST									
FTSE	21	5	28	40	15	55	24	9	34
% OF TOTAL	75%	18%		73%	27%		71%	26%	
AUTOMOTIVE									
FTSE	-	-	-	16	1	17	-	-	-
% OF TOTAL				94%	6%				
DATA PROCESS									
FTSE	6	3	10	32	27	60	63	79	145
% OF TOTAL	60%	30%		53%	45%		43%	54%	
DRAFTING									
FTSE	-	-	-	7	1	8	11	14	26
% OF TOTAL				88%	12%		42%	54%	
ELECTRONICS									
FTSE	-	-	-	3	2	5	13	6	22
% OF TOTAL				60%	40%		59%	27%	
ENGINEER SCI									
FTSE	-	-	-	-	-	-	-	-	-
% OF TOTAL									
MANAGEMENT									
FTSE	35	24	72	37	26	63	36	45	82
% OF TOTAL	49%	33%		59%	41%		44%	55%	
MARKETING									
FTSE	9	4	14	7	7	14	17	15	33
% OF TOTAL	64%	29%		50%	50%		52%	45%	

SOURCE: S90027 with selects for prefix area and student sex was used.
NOTES: FTSE data are high-point for 1972 and 45th day for 1977 and 1982.
The male and female subtotals may not sum to the total when some students did not report their sex.

TABLE 8
SOUTH MOUNTAIN COMMUNITY COLLEGE
CHANGES IN FTSE IN SELECTED OCCUPATIONAL PREFIX AREAS BY STUDENT SEX
FALL 1972, FALL 1977, AND FALL 1982

	FALL 1982		
	MALE	FEMALE	TOTAL
ADMIN JUST			
FTSE	14	11	25
% OF TOTAL	56%	44%	
AUTOMOTIVE			
FTSE	-	-	-
% OF TOTAL			
DATA PROCESS			
FTSE	9	21	30
% OF TOTAL	30%	70%	
DRAFTING			
FTSE	-	-	-
% OF TOTAL			
ELECTRONICS			
FTSE	-	-	-
% OF TOTAL			
ENGINEER SCI			
FTSE	-	-	-
% OF TOTAL			
MANAGEMENT			
FTSE	13	12	25
% OF TOTAL	52%	48%	
MARKETING			
FTSE	3	3	6
% OF TOTAL	50%	50%	

SOURCE: S90027 with selects for prefix area and student sex was used.
NOTES: FTSE data are high-point for 1972 and 45th day for 1977 and 1982. The male and female subtotals may not sum to the total when some students did not report their sex.

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